

Date: Wed, 31 Mar 93 15:39:18 PST  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
Errors-To: Info-Hams-Errors@UCSD.Edu  
Reply-To: Info-Hams@UCSD.Edu  
Precedence: Bulk  
Subject: Info-Hams Digest V93 #401  
To: Info-Hams

Info-Hams Digest                      Wed, 31 Mar 93                      Volume 93 : Issue 401

Today's Topics:

"CB transplants"

"Now You're Talking" books for sale - PRICE REDUCTION! (2 msgs)

"Now You're Tlkinalalkinglking" books for sale - PRICE REDUCTION!

\$7 QST 2M Beam errors?

2 meter phone calls?

Alinco 570 Secret Bands

Autopatch

Clover (?)

FT290/790 use in Satellite work....

Help with GE Prog Line Radio

How to identify an intermediate packet node?

Icom 2SRA crossband repeat?

Kantronics vs MFJ Opinions?

Kenwood TH78A mods?

Looking for 900 MHz antenna mfg.

Soldering Brass rod to SO-239? HELP?

UHF broadcasting. (was: DESPERATE...NEED TO KNOW FACTS CONCERN)

Wanted: thoughts on glass mount ants

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>

Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>

Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: Wed, 31 Mar 1993 21:38:31 GMT  
From: news.encore.com!bilbo.encore.com!mkraiesk@uunet.uu.net  
Subject: "CB transplants"  
To: info-hams@ucsd.edu

This topic is humorous. I posted a request for some info in the c.b. newsgroup about a month ago. I received 6 email replies. All from current amateurs. All who said they still get on the cb (SSB) regularly, really enjoy it, but would never admit it to their ham buddies (including the net community).

Me, during a period of high-stress and low money a ways back I let my novice ticket lapse (WB3CAD). Was recently studying through General when the 14.313 discussion started. What I heard in the following 2 weeks monitoring that frequency was worse than ANYTHING I ever experienced in the CB community.

Guess there are good people and bad people wherever you go, huh? Prepare yourselves for another CB transplant!

Mark

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+-----+
| Mark E. Kraieski           Encore Computer Corp.   (305)797-2462   |
| Technical Support Manager   Fort Lauderdale, FL     mkraieski@encore.com |
+-----+
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Date: 31 Mar 93 20:44:46 GMT  
From: sun-barr!olivea!charnel!rat!zeus!hertz.elee.calpoly.edu!trasmuss@ames.arpa  
Subject: "Now You're Talking" books for sale - PRICE REDUCTION!  
To: info-hams@ucsd.edu

The Cal Poly Amateur Radio Club has 30 new and unused copies of the ham radio study book "Now You're Talking". We were previously asking \$14.00 a copy, but have reduced this to \$10.00 a copy. (The regular price is \$19.00)  
We will also consider reasonable offers. It would be preferred to sell all of the copies together.

Please call (805) 756-2737 or send e-mail for details.

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Date: 31 Mar 93 20:51:21 GMT  
From: olivea!charnel!rat!zeus!hertz.elee.calpoly.edu!trasmuss@ames.arpa  
Subject: "Now You're Talking" books for sale - PRICE REDUCTION!  
To: info-hams@ucsd.edu

The Cal Poly Amateur Radio Club has 30 new and unused copies of the ham radio study book "Now You're Talking". We were previously asking \$14.00 a copy, but have reduced this to \$10.00 a copy. (The regular price is \$19.00)  
We will also consider reasonable offers. It would be preferred to sell all

of the copies together.

Please call (805) 756-2737 or send e-mail for details.

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Date: 31 Mar 93 20:37:16 GMT  
From: olivea!charnel!rat!zeus!hertz.elee.calpoly.edu!trasmuss@ames.arpa  
Subject: "Now You're Tlkinalalkinglking" books for sale - PRICE RECDUCTION!  
To: info-hams@ucsd.edu

The Cal Poly Amateur Radio Club has 30 new and unused copies of the ham radio study book "Now You're Talking". We were previously asking \$14.00 a copy, but have reduced this to \$10.00 a copy. (The regular price is \$19.00) We will also consider reasonable offers. It would be preferred to sell all of the copies together.

Please call (805) 756-2737 or send e-mail for details.

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Date: Wed, 31 Mar 1993 22:58:11 GMT  
From: usc!sdd.hp.com!hpscit.sc.hp.com!icon.rose.hp.com!greg@network.UCSD.EDU  
Subject: \$7 QST 2M Beam errors?  
To: info-hams@ucsd.edu

The latest copy of QST has an article about a low cost 3 element beam you can build. The pictures and text, however, don't match on the details. The diagram shows the reflector and director switched compared to the photo. No sweat, as I know that reflectors are longer, and are further from the driven element than the director. The photo is correct, the diagram is switched.

The problem is the "matching section", i.e. the overlapped driven elements. The diagram and text say to connect the feed line to the ends of the rods. The photo shows it connected on the other diagonal corner.

Which is correct?

Thanks,

Greg KD6KGW

p.s. I am using 1/2 inch copper pipe instead of skinny brass rod for the elements. The thing seems to tune up too low (elements too long). Is this to be expected?

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Date: 31 Mar 93 21:05:25 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: 2 meter phone calls?  
To: info-hams@ucsd.edu

Sorry MA Bell (AT&T and the former BOCs), but things have changed in the last 20 years. Since divestiture, even the operating telcos, within their regional calling areas (LATAs), can be "bypassed" without any tariff violation. Bypass microwave carriers have been bypassing telco in NYC for at least 10 years. That includes bypassing NY Tel NJ Bell and AT&T. By court order, AT&T has to provide a CPA (customer point of access) to allow others besides the local telco from connecting to their network. Phone patching at one time might have violated tariffs and or regulatory restrictions, but no more. It's even possible to be a private provider of dial tone lines, switching equip on a local basis and then proceed to compete with the local telco. AT&T can be ur gateway via a CPA point at a toll center. 2 meter calls that bypass local and or long distance charges are perfectly legal. Ham radio part 97 might restrict some business type communications, but only local custom would restrict types of calls that are possible, not any regulatory issue.

Seth Taylor KC2WE, the opinions are my own and not those of my employer.  
ast. Prf. NYU SCE - Telecommunications

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Date: Wed, 31 Mar 1993 21:50:18 GMT  
From: yuma!galen@purdue.edu  
Subject: Alinco 570 Secret Bands  
To: info-hams@ucsd.edu

In article <1993Mar31.161118.14596@krk.fi> squirppi@krk.fi (Sami Reijonen) writes:  
>Galen Watts (galen@picea.CFNR.ColoState.EDU) wrote:  
>: reception in the 340 MHz and 860MHz areas. Has anyone else  
>: been able to do this? Would anyone care to know how to do this?  
>Please tell us how. This just might work on other Alinco radios as well..  
>OH2KEA (KP 20 KF)

I wasn't sure that there were other owners of 570's on news, but:

I performed the UHF wide receive mod (cutting a jumper).

Put the VHF into VFO, and then into the sub-band:

VFO, \*\*F\*\* + \*BAND\*

Now, before the SUB times off, press \*BAND\* again and it should be in the 340 MHz range. Push it again and it should be in the 870 MHz range.

One more push should put you back on VHF.  
I have been able to store freqs from these bands in memory, but it  
won't transmit.  
I can hear phone calls on the 870 range, so this information is only  
for fun, not to encourage eavesdropping on other people's phone calls.

Overheard in a deli in Hollywood:  
" Go ahead, make my lunch. "  
Galen Watts, KF0YJ

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Date: 31 Mar 93 19:26:22 EST  
From: usc!wupost!udel!news.intercon.com!psinntp!arrl.org@network.UCSD.EDU  
Subject: Autopatch  
To: info-hams@ucsd.edu

In rec.radio.amateur.misc, u95\_dgold@vaxc.stevens-tech.edu writes:  
>I have designed and built a cross band telephone autopatch system; The output  
>is on 2m and the input is on 70cm. I would like to know if it would be in  
>compliance with FCC rules to operate this system without a CW id on the output  
>after each call.  
>  
>-dave  
>N2MXX  
>  
Greetings Dave,

FCC rules state that you are responsible for all transmissions through  
your station including proper ID. You are required to identify every 10  
minutes and at the end of the transmission. 73,

John C. Hennessee, KJ4KB  
Regulatory Information Specialist  
ARRL HQ  
jhennessee@arrl.org

John Hennessee KJ4KB  
ARRL Regulatory Information Specialist  
225 Main St  
Newington CT 06111  
203 666-1541  
jhenness@arrl.org

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Date: Wed, 31 Mar 1993 20:45:34 GMT  
From: swrinda!gatech!europa.eng.gtefsd.com!news.ans.net!newsgate.watson.ibm.com!

yktnews.watson.ibm.com!uri@network.UCSD.EDU  
Subject: Clover (?)  
To: info-hams@ucsd.edu

Hello,

Does anybody have any idea about where I could  
get a description of Clover mode/protocol? The  
more "complete" it is - the better, of course.  
I'm going to try to put in on DSP (of course,  
if time, skills etc. allow :-)...

Please respond via e-mail.

--

Regards,

Uri. uri@watson.ibm.com scifi!angmar!uri

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<Disclaimer>

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Date: Wed, 31 Mar 93 18:00:05 GMT  
From: netcomsv!netcomsv!weitek!johnm@decwrl.dec.com  
Subject: FT290/790 use in Satellite work....  
To: info-hams@ucsd.edu

I would like to use my Yaesu FT290R (mk2) (and 790 if it works out) for  
a satellite uplink. The problem I see is that the output power is not  
continuously variable. It can be set to 1.5/25W, which would be no use  
for driving an external PA. The same applies to the FT790. Does anyone  
know of a way that I could vary the output power of these boxes ? Could  
I use an external attenuator ?

John Mcleod N6RCD.

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Date: 31 Mar 93 16:11:36 EST  
From: titan.ksc.nasa.gov!k4dii.ksc.nasa.gov!user@ames.arpa  
Subject: Help with GE Prog Line Radio  
To: info-hams@ucsd.edu

In article <93090.110341UD173191@NDSUVM1.BITNET>, UD173191@NDSUVM1.BITNET  
(Greg Moore) wrote:

> I recently have acquired two GE MASTR Progress Line mobile radios  
> that I intend to use for packet. I have the instruction/service manual,  
> and I've re-rocked and re-aligned the transmitter with almost no trouble.  
> Almost. The radio, according to spec's, is supposed to put out 35+  
> watts. It's only putting out about 20 to 25.

Greg-

I once used an old GE Prog Line transmitter with a repeater. To the best of my recollection, there was a relation between power supply high voltage and power output. There may be two versions of the AC supply, or possibly high voltage taps. I hope someone has a better memory than I!

By the way, no one will notice the difference between 25 and 35 watts, and your tubes will last longer.

73, Fred, K4DII

[fred-mckenzie@ksc.nasa.gov](mailto:fred-mckenzie@ksc.nasa.gov)

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Date: 31 Mar 93 18:41:35 GMT  
From: [news-mail-gateway@ucsd.edu](mailto:news-mail-gateway@ucsd.edu)  
Subject: How to identify an intermediate packet node?  
To: [info-hams@ucsd.edu](mailto:info-hams@ucsd.edu)

I have been trying to track down how communications are routed between two local packet nodes that my son and I communicate over, and although I think I have it figured out, I am not completely sure. The confusing part is that I can see the distant station hitting my local node apparently via an in between node, since I see the distant station callsign with a " -15 " attached (btw, the distant station is on a different frequency, so a port switch is apparently being used in the intermediate node). For example, if the distant station is xx3xxx and the intermediate station is yy3yyy and the local station is zz3zzz, all I see is xx3xxx-15\*>zz3zzz, ie there is no way for me to identify the intermediate station. I guess the intermediate station is legal since it puts out an id beacon every so often, but this seems to be a major defect in the way packet messages are id'ed, since there is no way to identify the source of such a signal. Am I missing something? Is there some way to identify this intermediate node? There is a "ROUTES" command on these nodes that spits out a bunch of numbers that I don't understand. Could someone explain what the output from this command means? Also, both stations show up on the "NODE" list of the other, but are obviously no able to talk directly to each other since there are no common port frequencies. Is there a way to tell which stations on such a NODE list are direct connects, and which require routing through an intermediate node? I would like to choose the most efficient route to the distant station, but it doesn't seem possible with the information available.

Thanks in advance.

73 BJ N3JLQ [wejones@cbda7.apgea.army.mil](mailto:wejones@cbda7.apgea.army.mil)  
[N3JLQ@KE3DO.MD.UA.NA](mailto:N3JLQ@KE3DO.MD.UA.NA)

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Date: Wed, 31 Mar 93 19:22:30 GMT  
From: mnemosyne.cs.du.edu!nyx!anon013d@uunet.uu.net  
Subject: Icom 2SRA crossband repeat?  
To: info-hams@ucsd.edu

I have seen mods for the Icom W2A to do crossband repeat. Are there any mods for the 2SRA to enable the audio recieved on the wideband receiver to be transmitted on the 2 meter transmitter?

Chris Wysopal N10BJ

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Date: 31 Mar 93 22:29:50 GMT  
From: news.service.uci.edu!ucivax!gateway@network.UCSD.EDU  
Subject: Kantronics vs MFJ Opinions?  
To: info-hams@ucsd.edu

Have not had anything to do with RTTY since it was done with mechanical printers but am now getting interested in that and other digital modes.

Am soliciting opinions as to how the KAM TNC stacks up against the MFJ 1278. And, if someone wanted to put in their two cents about the PK 232 I'd read it but that looks like its getting out of my price range.

Thanks and 73

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Date: Wed, 31 Mar 1993 19:26:35 GMT  
From: swrinde!zaphod.mps.ohio-state.edu!cs.utexas.edu!utnut!torn!nott!cunews!freenet.carleton.ca!Freenet.carleton.ca!ac184@network.UCSD.EDU  
Subject: Kenwood TH78A mods?  
To: info-hams@ucsd.edu

Earlier someone had requested info on any mods "possible" for a TH78A, and it appears that he received a reply (via email?) which I don't think was posted. Could that person, or the being who sent him the info originally get it to me via email, or if it seems there is more than just myself interested, post it? I'd like to broaden the scan range of this awesome gadget, at least....

Many thanks,



--

<><><><><>Tim Murphy<><><><><> <><><>Game Show Hosts<><><>  
MAIL: ac184@freenet.carleton.ca The stuff of nightmare is  
MOUTH: (613) 562-1664 their plain bread. They  
MARCONI: VE3EEP butter it with pain.

-----  
Date: 31 Mar 93 18:08:28 GMT  
From: swrinde!zaphod.mps.ohio-state.edu!wupost!emory!europa.eng.gtefsd.com!gatech!  
pitt.edu!dsinc!netnews.upenn.edu!eniac.seas.upenn.edu!depolo@network.UCSD.EDU  
Subject: Looking for 900 MHz antenna mfg.  
To: info-hams@ucsd.edu

In article <1pamttINN70k@darkstar.UCSC.EDU> matthew@cats.ucsc.edu (Matthew Todd Kaufman) writes:

>I am looking for pointers to makers of antennas suitable for 902-928 MHz  
>apread spectrum work. preferably ones targeted for the amateur market,  
>rather than the commercial market (cost IS an issue). I have some designs,  
>but I don't want to get into the business of making antennas.

Downeast Microwave makes a 33 element looper centered at 915 for just  
this purpose. I've used them in the past and they work fine. Try  
to keep the birds off them, though; big birds bend the loops.

--- Jeff

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Jeff DePolo WN3A Twisted Pair: (215) 337-7383H 387-3059W  
depolo@eniac.seas.upenn.edu RF: 443.800+ MHz 442.700+ MHz 24.150 GHz  
University of Pennsylvania

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Date: 31 Mar 1993 13:35:45 -0600  
From: swrinde!zaphod.mps.ohio-state.edu!cs.utexas.edu!not-for-  
mail@network.UCSD.EDU  
Subject: Soldering Brass rod to SO-239? HELP?  
To: info-hams@ucsd.edu

I am constructing a 2m and 70cm ground plane for use with my HT and I am  
having problems getting the solder to stick to either the brass brazing  
rod that I'm using for all of the elements or the SO-239 connector that I  
am soldering the rod to. Does anyone have a clue as to how to make that  
solder stick to either of them? (The plans I am using call for solid wire  
solder and seperate flux) Do I need to use Acid flux instead of Rosin Flux?

Thanx in advance for any suggestions. Send Replies via e-mail to:

jfb2@engr.uark.edu

Frank Buercklin  
<KB5WAR>

-----  
Date: Wed, 31 Mar 1993 18:01:56 GMT  
From: swrinde!zaphod.mps.ohio-state.edu!darwin.sura.net!faculty.coe.wvu.wvnet.edu!  
venable@network.UCSD.EDU  
Subject: UHF broadcasting. (was: DESPERATE...NEED TO KNOW FACTS CONCERN)  
To: info-hams@ucsd.edu

>Given all the restrictions against Hams broadcasting or against all  
>business communications, I would think it might be worth while for  
>a ham club, say, to obtain the license to broadcast on some UHF  
>channel. (After all most UHF channels lie dormant or unused in most  
>cities.) It could be used for PR, business type announcements,  
>politics, and any thing else hams would like to use it for, that  
>otherwise would be prohibited. There certainly ought to be enough  
>talent to run the thing in the ham community. We wouldn't have  
>to hire any technical people.

No, but your volunteer would have to get commercial (broadcast)  
licenses. And the station would need a broadcast license. You would be  
a licensed broadcast station, just like a commercial or religious  
operator. You can't broadcast on a ham license.

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Date: 31 Mar 1993 18:46:39 GMT  
From: swrinde!zaphod.mps.ohio-state.edu!sdd.hp.com!hpscit.sc.hp.com!  
spikes@network.UCSD.EDU  
Subject: Wanted: thoughts on glass mount ants  
To: info-hams@ucsd.edu

I've had one for about 15 years. I got an Avanti just after they became a  
available, nobody else made them. I know of two other guys that have owned  
them for lesser amounts of time. I also have the 440 MHz version.

The 2 meter is supposed to be a 5/8 wave ant. On the outside of the car,  
there is just the foot and a single whip the is about 30" long screwed into  
the foot with an adjustable thumb nut. They are as much fun to tune up  
as any other high perf. antenna. You also get to play with a plastic screw  
on the black box mounted to the inside of the window.

One guy mounted his in the top center of his windshield. The windshield wipers did some strange things to his rx and tx. I wouldn't put it there unless you have at least 4" from the tip of the wiper. The instructions for the Avanti brand are pretty clear. It has been about 10 years since I lost mine but the idea is to mount the foot about 1-1/2" from the top edge of the glass. Yes they work with a defogger. At least they do if the top line of the defogger is at LEAST 1" down from the bottom of the foot. ie: 3" from the top of the window.

The foot gluing method has changed over the years. When I first got mine, they gave you two part epoxy to hold the foot on the glass. When I got the 440 version about 7 years ago, they had you use double sided sticky foamy tape to glue it down and then surround the tape with silastic. Since I've had my 2M one on 4 different cars, I've used both of their methods, 5 minute epoxy and just straight silastic. The one that seems to hold the best is 5 minute two part epoxy. You gotto clean both the bottom of the foot and the glass WELL. If you get one, ask me how.

Yes, they are removable. The newer the glass, the easier they are to pry off. Probably because of fewer "gripping pits".

Once you get the hang of the tuning, they are easy to tune up. I've only had to make minor tweaks to the black box as the ant was moved from car to car. I don't know if the new ones have this but there is a wire, clipped onto the black box coax conn that is about 3" long that is supposed to go to ground, ie: the metal frame around your window on the inside. If you don't have metal that close, on the top of the frame, you get to drill a tiny hole and ground it. On one of my cars the ant actually went up through a hole I drilled in window louvers. They were plastic, I wouldn't use metal.

The cars were '77 VW Scirocco, '73 Ford Pinto, '81 Mercury Cougar, '73 Ford LTD. The Scirocco and the Cougar both had the defrosting wires in the rear window. Both top wires were 3 or more inches from the top of the glass. Now, I'm fighting with the wife over putting ANY antennas on \*HER\* new Explorer....S0000-- Anybody know of a manf'r of stealth antennas, ones that look like the standard cowl mount antenna but are usable on both 2 meters and your AM/FM radio? Maybe a hula hoop antenna for the roof? She might not ever see it up there....

Bill

oh yea, WB6RottenZucchiniGarden

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Date: 31 Mar 1993 19:46:06 GMT  
From: ucsd.edu!brian@network.UCSD.EDU  
To: info-hams@ucsd.edu

References <1993Mar30.171217.11783@mnemosyne.cs.du.edu>,  
<1pa07a\$avc@network.ucsd.edu>, <1993Mar31.064154.29965@usl.edu>  
Subject : Re: Wanted: thoughts on glass mount ants

cfm1471@ucs.usl.edu (Morrison Charles F) writes:  
>Brian, it must be a Louisiana thing too, because if I invest \$15,000 in  
>a new vehicle, one that has depreciated almost 20% the second that I drive  
>it off the lot, I make all attempts not to depreciate it more.

If it were the case that antenna holes depreciate the value of a  
vehicle, I might agree with you. They don't. Ask any car dealer - if  
the vehicle is more than two or three years old, the antenna makes no  
difference in the trade-in and resale value of the car.

My RX-7 had 8 miles on it when it left the dealership and 13 miles on it  
when I installed the two NMO mounts for my radios. The antenna and  
radio installations INCREASED the value of the car to me -- and isn't  
that value why I bought the car in the first place? To me, not  
installing something I want in my car because it might maybe possibly  
hurt the resale value is right up there with keeping the shipping  
plastic on my living room furniture.

Cars are not an investment. Cars are tools that enhance your life.

>It must be a California thing that you have such little value for something  
>that you would (should) work hard for, but with people blowing away each  
>other with 12 gauge shotguns on the California freeways, hey, whats another  
>hole??

Most of the people shot on California freeways are people from out of  
state who deserve it. They should learn to drive inoffensively. :-)

- Brian

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End of Info-Hams Digest V93 #401  
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